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Solving nonlinear problems

Textbook reference for lectures 1-13 is . Applied Nonlinear Control, Slotine and Li, Prentice-Hall 1991. Main references for lectures 14-20 are . R1 Lohmiller, W., and Slotine, J.J.E., "On Contraction Analysis for Nonlinear Systems," Automatica, 34(6), 1998 R2 Slotine, J.J.E., "Modular Stability Tools for Distributed Computation and Control," Int. J. Adaptive Control and Signal Processing, 17(6) ...

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with the Highest Derivative in Feedback", World Scientific, 2004, (ISBN 9812388990). The manual aims to help students understand a new methodology of output controller design for nonlinear systems in presence of

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Analysis and Control" (Asada and Slotine, Wiley, 1986), and "Applied Nonlinear Control" (Slotine and Li, Prentice-Hall, 1991) and is one of the most cited researcher in both systems science and robotics. He was a member of the French National Science Council from 1997 to 2002, and a member of Singapore's

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